	From the INTERNATIONAL BUREAU			
PCT	To:			
NOTIFICATION OF THE RECORDING OF A CHANGE (PCT Rule 92bis.1 and Administrative Instructions, Section 422) Date of mailing (day/month/year) 08 June 2004 (08.06.2004)	ZUMSTEIN & KLINGSEISEN Bräuhausstrasse 4 80331 Munich Germany EINGEGANGEN 21. Juni 2004			
Applicant's or agent's file reference Case B-22	IMPORTANT NOTIFICATION			
International application No. PCT/EP2003/007777	International filing date (day/month/year) 17 July 2003 (17.07.2003)			
The following indications appeared on record concerning: The following indications appeared on record concerning:	the agent the common representative			
Name and Address J. URIAÇH & CIA. S.A. Av.Camı Reial, 51-57 E-08184 Palau-Solita i Plegamans Spain	State of Nationality State of Residence ES ES Telephone No. Facsimile No.			
	Teleprinter No.			
2. The International Bureau hereby notifies the applicant that the the person X the name the add				
Name and Address J. URIAÇH Y COMPAÑIA S.A. Av.Cami Reial, 51-57 E-08184 Palau-Solita i Plegamans Spain	State of Nationality State of Residence ES ES Telephone No. Facsimile No. Teleprinter No.			
3. Further observations, if necessary:				
4. A copy of this notification has been sent to: X the receiving Office the International Searching Authority X the International Preliminary Examining Authority	the designated Offices concerned X the elected Offices concerned other:			
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No. (41-22) 338.70.80	Authorized officer Chantal AUMAITRE Telephone No. (41-22) 338 8669			



From the INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To:

Zumstein, F.
ZUMSTEIN & KLINGSEISEN
Bräuhausstr. 4
D-80331 München
ALLEMAGNE

AZ

EINGEGANGEN

29. Okt. 2004

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PCT

NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Rule 71.1)

Date of mailing (day/month/year)

28.10.2004

Applicant's or agent's file reference

Case B-22

IMPORTANT NOTIFICATION

International application No.

PCT/EP 03/07777

International filing date (day/month/year)

17.07.2003

Priority date (day/month/year)

18.07.2002

Applicant

J. URIACH Y COMPANIA et al

- 1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
- 2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
- 3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

The applicant's attention is drawn to Article 33(5), which provides that the criteria of novelty, inventive step and industrial applicability described in Article 33(2) to (4) merely serve the purposes of international preliminary examination and that "any Contracting State may apply additional or different criteria for the purposes of deciding whether, in that State, the claimed inventions is patentable or not" (see also Article 27(5)). Such additional criteria may relate, for example, to exemptions from patentability, requirements for enabling disclosure, clarity and support for the claims.

Name and mailing address of the international preliminary examining authority:



European Patent Office - P.B. 5818 Patentiaan 2 NL-2280 HV Rijswijk - Pays Bas Tel. +31 70 340 - 2040 Tx: 31 651 epo nl Fax: +31 70 340 - 3016 **Authorized Officer**

Cherqui, E

Tel. +31 70 340-2643





INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference Case B-22 FOR FURTHER			ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)			
	International application No. International filing dat 17.07.2003		e (day/mont	h/year)	Priority date (day/month/year) 18.07.2002	
Internation C07C69		nt Classification (IPC) or	both national classification	n and IPC		
Applicant J. URIA	CH Y	COMPANIA et al	, ;	- 1. 1		
1. Thi Aul	s interr hority a	national preliminary ex and is transmitted to th	amination report has be ne applicant according to	en prepar o Article 3	ed by this Inte 3.	rnational Preliminary Examining
2. Thi	This REPORT consists of a total of 6 sheets, Including this cover sheet.					
	This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).					
The	These annexes consist of a total of sheets.					
3. This	r renor	t contains indications	relating to the following	I+		
1	\ <u>_</u> /		elating to the following	nems.		
1		Basis of the opinion	·			
11	\boxtimes	Priority Non-actablishment	l animine with an anal to			
IV				noveity, in	ventive step a	nd industrial applicability
V						ventive step or industrial applicability;
VI		Certain documents of	_			
VII		Certain defects in the	international application	าก		
VIII			on the international app			
Date of submission of the demand		Date of o	completion of th	s report		
22.01.2004			28.10.2	2004		
Name and mailing address of the international			Authoriz	ed Officer		
European Patent Office - P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk - Pays Bas Tel. +31 70 340 - 2040 Tx: 31 651 epo nl Fax: +31 70 340 - 3016			Kardin	al, S	Santareas Patterns, It all the santare	
			Telepho	ne No. +31 70 3	40-3483	

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/EP 03/07777

1.	Basis	of the	report
4.6			10DOIL

1. With regard to the elements of the international application (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)):

	Des	scription, Pages					
	1-3	6	as originally filed				
	Cla	ims, Numbers					
	1-2	2	as originally filed				
Drawings, Sheets							
	1/2-	2/2	as originally filed				
2.	 With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item. 						
	The	se elements were av	ailable or furnished to this Authority in the following language: , which is:				
		the language of a tra	anslation furnished for the purposes of the international search (under Rule 23.1(b)).				
		the language of pub	lication of the international application (under Rule 48.3(b)).				
		the language of a tra Rule 55.2 and/or 55.	anslation furnished for the purposes of international preliminary examination (under 3).				
3.	With	With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:					
		contained in the inte	rnational application in written form.				
		filed together with th	e international application in computer readable form.				
	☐ furnished subsequently to this Authority in written form.						
	☐ furnished subsequently to this Authority in computer readable form.						
	The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.						
		The statement that t listing has been furn	he information recorded in computer readable form is identical to the written sequence ished.				
4.	The	amendments have re	esulted in the cancellation of:				
		the description,	pages:				
		the claims,	Nos.:				
		the drawings,	sheets:				

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/EP 03/07777

5.		This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)).					
		(Any replacement sheet contreport.)	aining :	such amend	dments must be referred to under item 1 and annexed to this		
3.	Add	litional observations, if necess	агу:		•		
lf	. Nor	n-establishment of opinion v	vith reg	gard to nov	elty, inventive step and industrial applicability		
	The	The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non- obvious), or to be industrially applicable have not been examined in respect of:					
☐ the entire international application,							
	\boxtimes	claims Nos. 1-21 (partially)					
		because:					
		the said international applicat not require an international pr	ion, or elimina	the said clai	ims Nos. relate to the following subject matter which does tion (specify):		
		the description, claims or drawings (indicate particular elements below) or said claims Nos. are so unclear that no meaningful opinion could be formed (specify):					
		the claims, or said claims Nos could be formed.	s. are s	o inadequat	tely supported by the description that no meaningful opinion		
	\boxtimes	no international search report has been established for the said claims Nos. 1-21 (partially)					
2.	or a	neaningful international preliminary examination cannot be carried out due to the failure of the nucleotide and/ or amino acid sequence listing to comply with the standard provided for in Annex C of the Administrative instructions:					
		the written form has not been	furnish	ned or does	not comply with the Standard.		
		the computer readable form h	as not	been furnish	hed or does not comply with the Standard.		
/.	Rea cita	easoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; itations and explanations supporting such statement					
•	Stat	Statement					
	Nov	elty (N)	Yes: No:	Claims Claims	1-13,16,18-22 14,15,17		
	Inventive step (IS)		Yes: No:	Claims Claims	. 1-13,19-22 14-18		
	Indu	strial applicability (IA)	Yes: No:	Claims Claims	1-22		
)	Cita	tions and explanations					

Form PCT/IPEA/409 (January 2004)

see separate sheet

Re Item V

Remark: The scope of claims 1-21, in as far as the expression 'prodrug' is concerned, is so unclear (Article 6 PCT) that a meaningful search has been impossible with regard to this expression. Accordingly the following reasoned statement covers only those parts of claims 1-21 relating to the compounds described in claims 1-21 and the salts and solvates thereof.

- Reference is made to the following documents: 1.
 - D1: I. R. HARDCASTLE ET AL.: TETRAHEDRON LETTERS., vol. 42, no. 7, 2001, pages 1363-1365, XP004316654
 - D2: US-A-5 374 772 (CARSON MATHEW ET AL) 20 December 1994
 - D3: US-A-4 871 769 (DIAMANTINI GIUSEPPE ET AL) 3 October 1989
 - D4: I. R. HARDCASTLE ET AL.: BIOCHEMICAL PHARMACOLOGY, vol. 57, 1999, pages 801-809, XP002259805
 - D5: MARYADELE J. O'NEIL (ET AL.) (EDS.).: "THE MERCK INDEX" 2001, MERCK & CO., INC, NEW YORK, XP002259806

2. Novelty

2.1 Document D1 discloses (cf. page 1365, table 1, product 1g) a compound falling within the scope of formula I of claims 14 and 17 with R1=H, R2=H, R3=3fluoropropyl and R4=R5=R6=F in an assay for testing the activity versus farnesyl transesterase. With respect to the technical details of the assay, D1 refers to (cf. page 1365, reference [15]) the document D4. Document D4, being part of the disclosure of D1, discloses (cf. page 805, left-hand column) that a solution of the inhibitor compound in DMSO is used in the assays.

The solvent DMSO has to be considered a pharmaceutical acceptable excipient and shows furthermore itself a range of pharmaceutical activities (cf. D5).

Hence, the D1 discloses a pharmaceutical composition falling within the scope of claims 14 and 15 and a product comprising a compound of formula I and an additional drug (DMSO) falling within the scope of claim 17.

The subject-matter of claims 14, 15 and 17 is therefore not novel (Article 33(2) PCT). Dependent claims 16 and 18 can only meet the PCT requirements when

2.2 The document D2 discloses (cf. columns 1-2) ethers and esters of 2,4dihydroxy benzoic acid for use in the treatment of psoriasis.

related to independent claims complying with Article 33 (1) PCT.

- The document D3 discloses 2-trichloroacetoxy-tetrachlorobenzoic acid for use in the treatment of benign neoformations.
- 2.4 The compounds according to claim 1 differ from these known compounds structurally. The compound of D1 is disclaimed in present claim 1.

The subject-matter of independent claim 1 and dependent claims 2-11 is therefore novel (Article 33(2) PCT).

2.5 The document D1 discloses a compound falling within the scope of formula I of claims 12, 13, 19, 21 and 22 as being inactive in an enzyme activity test. No therapeutical application is disclosed. The process of preparation disclosed in D1 uses a bicyclić ester acetal (cf. page 1364, scheme 2) and does not fall within the scope of claim 22.

The subject-matter of claims 12, 13 and 19-22 is therefore novel (Article 33(2) PCT).

3. Inventive Step

Concerning independent claim 1, document D2 is considered to represent the most relevant state of the art.

The problem to be solved by the present invention may therefore be regarded as provision of alternative compounds suitable for use in the treatment of immune diseases or cancer.

The solution proposed in claim 1 of the present application can be considered as involving an inventive step (Article 33(3) PCT), because there is no teaching in the prior art that would have lead the skilled person to the compounds according to claim 1 and their pharmaceutical activity could not be expected.

Accordingly, claims 12, 13 and 19-22 pertaining to the use and preparation of

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these compounds can also be considered as involving an inventive step (Article 33(3) PCT).

Dependent claims 16 and 18 pertain to obvious selections and do not contain any features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT in respect of inventive step.